

## ABSTRACT OF THE DISCLOSURE

The compatibility of a JP2 file conforming to the JPEG 2000 Standard for still pictures and an MJ2 file conforming to the Motion-JPEG 2000 Standard that is a version for moving pictures is improved to facilitate file generation and decoding to a great convenience of the user.

The input data 111 may include a Motion-JPEG 2000 file (MJ2 file) generated by adding meta information to the code streams of an encoded moving picture having a plurality of frames to a JP2 file containing one or more than one JPEG 2000 code stream and header information. The MJ2 file analyzer 9 reads out the leading JPEG 2000 code stream in the JP2 file and transmits it to the JPEG 2000 decoder 10, while it discards or disregards all the remaining JPEG 2000 code streams in the JP2 file other than the leading code stream.